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 - V. Leppänen and M. Penttonen. Work-optimal simulation of PRAM models on meshes. *Nordic Journal of Computing*, 2(1):51-69, Spring 1995. [Abstract](#), [References](#), [Citations](#), etc.
 - M. Vassilakopoulos, Y. Manolopoulos, and B. Kröll. Efficiency analysis of overlapped quadrees. *Nordic Journal of Computing*, 2(1):70-84, Spring 1995. [Abstract](#), [References](#), etc.
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Selected papers of the 5th International Conference on CONCUR '94: Concurrency Theory, August 22-25, 1994

- B. Jonsson and J. Parrow. Guest editors foreword. *Nordic Journal of Computing*, 2(2):87, Summer 1995.
- O. Burkart and B. Steffen. Composition, decomposition and model checking of pushdown processes. *Nordic Journal of Computing*, 2(2):89-125, Summer 1995. [Abstract](#), [References](#), [Citations](#), etc.
- P. Di Gianantonio, F. Honsell, and G. Plotkin. Uncountable limits and the lambda calculus. *Nordic Journal of Computing*, 2(2):126-145, Summer 1995. [Abstract](#), [References](#), [Citations](#), etc.
- P. C. Kanellakis, D. Michailidis, and A. A. Shvartsman. Controlling memory access concurrency in efficient fault-tolerant parallel algorithms. *Nordic Journal of Computing*, 2(2):146-180, Summer 1995. [Abstract](#), [References](#), etc.
- N. P. Mendler, P. Panangaden, P. J. Scott, and R. A. G. Seely. A logical view of concurrent constraint programming. *Nordic Journal of Computing*, 2(2):181-220, Summer 1995.

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 - K.-L. Chung and Y.-W. Chen. Mapping Pyramids into 3-D Meshes. *Nordic Journal of Computing*, 2(3):326-337, Fall 1995. Abstract, etc.
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- K.-L. Chung. Fast Median-Finding on Mesh-Connected Computers with Segmented Buses. *Nordic Journal of Computing*, 2(4):397-406, Winter 1995. Abstract, etc.
- J. Parrow. Interaction Diagrams. *Nordic Journal of Computing*, 2(4):407-443, Winter 1995. Abstract, References, etc.
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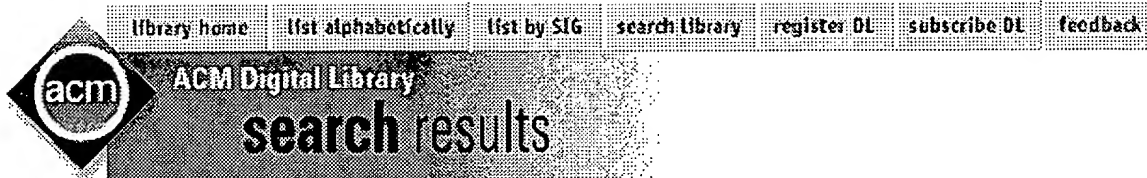
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4 A parallel virtual machine for programs composed of abstract data types
Welch, L.R.

Computers, IEEE Transactions on , Volume: 43 Issue: 11 , Nov. 1994

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5 Persistent array access using server-directed I/O

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INT-CL: [7] G06F 17/30

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Jul 25, 2000

US-PAT-NO: 6094649

DOCUMENT-IDENTIFIER: US 6094649 A

TITLE: Keyword searches of structured databases

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DOCUMENT-IDENTIFIER: US 6094655 A

TITLE: Method of creating and using notes decision capsules
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INT-CL: [7] G06F 17/30, G06F 15/167

L1: Entry 6 of 50

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DOCUMENT-IDENTIFIER: US 6088694 A

TITLE: Continuous availability and efficient backup for externally
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DATE-ISSUED: July 11, 2000

US-CL-CURRENT: 707/8; 707/10, 707/2, 707/204, 707/9

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TITLE: Shared nothing parallel execution of procedural constructs
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US-CL-CURRENT: 709/200; 707/1, 707/513, 709/202, 709/218, 709/229

INT-CL: [6] G06F 13/38, G06F 15/17

L1: Entry 15 of 50

File: USPT

Oct 19, 1999

US-PAT-NO: 5970494

DOCUMENT-IDENTIFIER: US 5970494 A

TITLE: Computer program product and program storage device for a data transmission dictionary for encoding, storing, and retrieving hierarchical data processing information for a computer system

DATE-ISSUED: October 19, 1999

US-CL-CURRENT: 707/102; 707/104

INT-CL: [6] G06F 17/30

L1: Entry 16 of 50

File: USPT

Sep 7, 1999

US-PAT-NO: 5949876

DOCUMENT-IDENTIFIER: US 5949876 A

TITLE: Systems and methods for secure transaction management and electronic rights protection

DATE-ISSUED: September 7, 1999

US-CL-CURRENT: 705/80; 705/1, 705/39, 705/54

INT-CL: [6] H04L 9/32

L1: Entry 17 of 50

File: USPT

Aug 17, 1999

US-PAT-NO: 5940289

DOCUMENT-IDENTIFIER: US 5940289 A

TITLE: Parallel database system retrieval method of a relational database management system using initial data retrieval query and subsequent sub-data utilization query processing for minimizing query time

DATE-ISSUED: August 17, 1999

US-CL-CURRENT: 700/2; 707/2, 707/3
INT-CL: [6] G05B 15/00

L1: Entry 18 of 50

File: USPT

Jul 27, 1999

US-PAT-NO: 5930795
DOCUMENT-IDENTIFIER: US 5930795 A

TITLE: Supporting dynamic tables in SQL query compilers
DATE-ISSUED: July 27, 1999

US-CL-CURRENT: 707/100; 358/1.1, 358/1.4, 358/1.5, 717/10
INT-CL: [6] G06F 17/30

L1: Entry 19 of 50

File: USPT

Jun 29, 1999

US-PAT-NO: 5917912
DOCUMENT-IDENTIFIER: US 5917912 A

TITLE: System and methods for secure transaction management and
electronic rights protection
DATE-ISSUED: June 29, 1999

US-CL-CURRENT: 713/187; 705/40, 709/312, 713/164
INT-CL: [6] G06F 17/60

L1: Entry 20 of 50

File: USPT

Jun 29, 1999

US-PAT-NO: 5918225
DOCUMENT-IDENTIFIER: US 5918225 A

TITLE: SQL-based database system with improved indexing methodology
DATE-ISSUED: June 29, 1999

US-CL-CURRENT: 707/3; 707/1, 707/10, 707/101, 707/103, 707/4
INT-CL: [6] G06F 17/30

L1: Entry 21 of 50

File: USPT

Jun 22, 1999

US-PAT-NO: 5915019
DOCUMENT-IDENTIFIER: US 5915019 A

TITLE: Systems and methods for secure transaction management and
electronic rights protection
DATE-ISSUED: June 22, 1999

US-CL-CURRENT: 705/54; 705/26, 705/400, 713/200
INT-CL: [6] H04L 9/00

L1: Entry 22 of 50

File: USPT

Jun 8, 1999

US-PAT-NO: 5910987

DOCUMENT-IDENTIFIER: US 5910987 A

TITLE: Systems and methods for secure transaction management and
electronic rights protection

DATE-ISSUED: June 8, 1999

US-CL-CURRENT: 705/52; 705/30

INT-CL: [6] H04L 9/32, G06F 17/60

L1: Entry 23 of 50

File: USPT

Apr 6, 1999

US-PAT-NO: 5892900

DOCUMENT-IDENTIFIER: US 5892900 A

TITLE: Systems and methods for secure transaction management and
electronic rights protection

DATE-ISSUED: April 6, 1999

US-CL-CURRENT: 713/200; 713/201

INT-CL: [6] G06F 11/00

L1: Entry 24 of 50

File: USPT

Mar 30, 1999

US-PAT-NO: 5890171

DOCUMENT-IDENTIFIER: US 5890171 A

TITLE: Computer system and computer-implemented method for
interpreting hypertext links in a document when including the
document within another document

DATE-ISSUED: March 30, 1999

US-CL-CURRENT: 707/501; 707/513

INT-CL: [6] G06F 17/21

L1: Entry 25 of 50

File: USPT

Jan 5, 1999

US-PAT-NO: 5857182

DOCUMENT-IDENTIFIER: US 5857182 A

TITLE: Database management system, method and program for
supporting the mutation of a composite object without read/write
and write/write conflicts

DATE-ISSUED: January 5, 1999

US-CL-CURRENT: 707/3; 707/1, 707/2, 707/4, 707/5, 707/6, 707/7,
707/8

INT-CL: [6] G06F 17/30

L1: Entry 26 of 50

File: USPT

Oct 13, 1998

US-PAT-NO: 5822750
DOCUMENT-IDENTIFIER: US 5822750 A

TITLE: Optimization of correlated SQL queries in a relational
database management system
DATE-ISSUED: October 13, 1998

US-CL-CURRENT: 707/2; 707/3
INT-CL: [6] G06F 17/30

L1: Entry 27 of 50 File: USPT Sep 22, 1998

US-PAT-NO: 5813005
DOCUMENT-IDENTIFIER: US 5813005 A

TITLE: Method and system of database divisional management for
parallel database system
DATE-ISSUED: September 22, 1998

US-CL-CURRENT: 707/10; 707/104, 707/2, 709/226, 711/147
INT-CL: [6] G06F 17/30

L1: Entry 28 of 50 File: USPT Aug 18, 1998

US-PAT-NO: 5797136
DOCUMENT-IDENTIFIER: US 5797136 A

TITLE: Optional quantifiers in relational and object-oriented views
of database systems
DATE-ISSUED: August 18, 1998

US-CL-CURRENT: 707/2; 707/3, 707/5
INT-CL: [6] G06F 17/30

L1: Entry 29 of 50 File: USPT Aug 11, 1998

US-PAT-NO: 5794229
DOCUMENT-IDENTIFIER: US 5794229 A

TITLE: Database system with methodology for storing a database
table by vertically partitioning all columns of the table
DATE-ISSUED: August 11, 1998

US-CL-CURRENT: 707/2; 705/35, 707/10, 707/205, 707/3, 711/100,
711/171
INT-CL: [6] G06F 17/30

L1: Entry 30 of 50 File: USPT Aug 11, 1998

US-PAT-NO: 5794228
DOCUMENT-IDENTIFIER: US 5794228 A

TITLE: Database system with buffer manager providing per page
native data compression and decompression
DATE-ISSUED: August 11, 1998

US-CL-CURRENT: 707/2; 341/50, 707/101, 707/205, 711/100, 711/171
INT-CL: [6] G06F 17/30

L1: Entry 31 of 50

File: USPT

Aug 11, 1998

US-PAT-NO: 5793966
DOCUMENT-IDENTIFIER: US 5793966 A

TITLE: Computer system and computer-implemented process for
creation and maintenance of online services
DATE-ISSUED: August 11, 1998

US-CL-CURRENT: 709/203; 709/218
INT-CL: [6] G06F 13/00

L1: Entry 32 of 50

File: USPT

Aug 11, 1998

US-PAT-NO: 5793964
DOCUMENT-IDENTIFIER: US 5793964 A

TITLE: Web browser system
DATE-ISSUED: August 11, 1998

US-CL-CURRENT: 709/202; 709/249
INT-CL: [6] G06F 15/00

L1: Entry 33 of 50

File: USPT

Jul 7, 1998

US-PAT-NO: 5778223
DOCUMENT-IDENTIFIER: US 5778223 A

TITLE: Dictionary for encoding and retrieving hierarchical data
processing information for a computer system
DATE-ISSUED: July 7, 1998

US-CL-CURRENT: 707/100; 345/343
INT-CL: [6] G06F 17/30

L1: Entry 34 of 50

File: USPT

Jun 2, 1998

US-PAT-NO: 5761663
DOCUMENT-IDENTIFIER: US 5761663 A

TITLE: Method for distributed task fulfillment of web browser
requests
DATE-ISSUED: June 2, 1998

US-CL-CURRENT: 707/10; 707/3, 709/202, 709/203
INT-CL: [6] G06F 17/30

L1: Entry 35 of 50

File: USPT

May 12, 1998

US-PAT-NO: 5752246
DOCUMENT-IDENTIFIER: US 5752246 A

TITLE: Service agent for fulfilling requests of a web browser
DATE-ISSUED: May 12, 1998

US-CL-CURRENT: 707/10; 345/328, 345/331, 345/335, 345/356, 345/502,
707/1, 707/101, 707/104, 707/201, 707/4, 709/239
INT-CL: [6] G06F 17/30

L1: Entry 36 of 50

File: USPT

Apr 28, 1998

US-PAT-NO: 5745754
DOCUMENT-IDENTIFIER: US 5745754 A

TITLE: Sub-agent for fulfilling requests of a web browser using an
intelligent agent and providing a report
DATE-ISSUED: April 28, 1998

US-CL-CURRENT: 707/104; 707/102
INT-CL: [6] G06F 17/30

L1: Entry 37 of 50

File: USPT

Mar 24, 1998

US-PAT-NO: 5732219
DOCUMENT-IDENTIFIER: US 5732219 A

TITLE: Computer system and computer-implemented process for remote
editing of computer files
DATE-ISSUED: March 24, 1998

US-CL-CURRENT: 709/227
INT-CL: [6] G06F 13/14, G06F 13/42, G06F 15/16

L1: Entry 38 of 50

File: USPT

Feb 24, 1998

US-PAT-NO: 5721908
DOCUMENT-IDENTIFIER: US 5721908 A

TITLE: Computer network for WWW server data access over internet
DATE-ISSUED: February 24, 1998

US-CL-CURRENT: 707/10; 345/329, 345/335, 704/270.1, 707/1, 707/2,
707/4, 709/202
INT-CL: [6] G06F 17/30, G06F 17/40, G06F 17/28

L1: Entry 39 of 50

File: USPT

Feb 24, 1998

US-PAT-NO: 5721895

DOCUMENT-IDENTIFIER: US 5721895 A

TITLE: Computer program product and program storage device for a data transmission dictionary for encoding, storing, and retrieving hierarchical data processing information for a computer system
DATE-ISSUED: February 24, 1998

US-CL-CURRENT: 707/104; 709/227, 709/230

INT-CL: [6] G06F 17/30

L1: Entry 40 of 50

File: USPT

Jan 20, 1998

US-PAT-NO: 5710918

DOCUMENT-IDENTIFIER: US 5710918 A

TITLE: Method for distributed task fulfillment of web browser requests
DATE-ISSUED: January 20, 1998

US-CL-CURRENT: 707/10; 345/348, 345/352, 704/270.1, 707/500,
707/502, 709/202, 709/218, 709/310, 709/315

INT-CL: [6] G06F 17/30

L1: Entry 41 of 50

File: USPT

Dec 23, 1997

US-PAT-NO: 5701451

DOCUMENT-IDENTIFIER: US 5701451 A

TITLE: Method for fulfilling requests of a web browser
DATE-ISSUED: December 23, 1997

US-CL-CURRENT: 707/1; 707/513, 709/200, 709/202, 709/218, 709/229,
709/328

INT-CL: [6] G06F 17/30

L1: Entry 42 of 50

File: USPT

Dec 23, 1997

US-PAT-NO: 5701400

DOCUMENT-IDENTIFIER: US 5701400 A

TITLE: Method and apparatus for applying if-then-else rules to data sets in a relational data base and generating from the results of application of said rules a database of diagnostics linked to said data sets to aid executive analysis of financial data
DATE-ISSUED: December 23, 1997

US-CL-CURRENT: 706/45; 706/47, 706/60

INT-CL: [6] G06F 15/18

L1: Entry 43 of 50

File: USPT

Nov 11, 1997

US-PAT-NO: 5687365

DOCUMENT-IDENTIFIER: US 5687365 A

TITLE: System and method for creating a data dictionary for
encoding, storing, and retrieving hierarchical data processing
information for a computer system

DATE-ISSUED: November 11, 1997

US-CL-CURRENT: 707/102

INT-CL: [6] G06F 17/30

L1: Entry 44 of 50

File: USPT

Sep 2, 1997

US-PAT-NO: 5664181

DOCUMENT-IDENTIFIER: US 5664181 A

TITLE: Computer program product and program storage device for a
data transmission dictionary for encoding, storing, and retrieving
hierarchical data processing information for a computer system

DATE-ISSUED: September 2, 1997

US-CL-CURRENT: 707/102

INT-CL: [6] G06F 17/30

L1: Entry 45 of 50

File: USPT

Aug 19, 1997

US-PAT-NO: 5659727

DOCUMENT-IDENTIFIER: US 5659727 A

TITLE: Computer program product and program storage device for
encoding, storing, and retrieving hierarchical data processing
information for a computer system

DATE-ISSUED: August 19, 1997

US-CL-CURRENT: 707/2; 707/9

INT-CL: [6] G06F 17/30

L1: Entry 46 of 50

File: USPT

May 20, 1997

US-PAT-NO: 5632031

DOCUMENT-IDENTIFIER: US 5632031 A

TITLE: Method and means for encoding storing and retrieving
hierarchical data processing information for a computer system

DATE-ISSUED: May 20, 1997

US-CL-CURRENT: 707/104

INT-CL: [6] G06F 17/30

L1: Entry 47 of 50

File: USPT

Feb 11, 1997

US-PAT-NO: 5602936
DOCUMENT-IDENTIFIER: US 5602936 A

TITLE: Method of and apparatus for document data recapture
DATE-ISSUED: February 11, 1997

US-CL-CURRENT: 382/140; 382/305
INT-CL: [6] G06K 9/00

L1: Entry 48 of 50 File: USPT Aug 20, 1996

US-PAT-NO: 5548755
DOCUMENT-IDENTIFIER: US 5548755 A

TITLE: System for optimizing correlated SQL queries in a relational
database using magic decorrelation
DATE-ISSUED: August 20, 1996

US-CL-CURRENT: 707/2
INT-CL: [6] G06F 17/30

L1: Entry 49 of 50 File: USPT Apr 30, 1996

US-PAT-NO: 5513332
DOCUMENT-IDENTIFIER: US 5513332 A

TITLE: Database management coprocessor for on-the-fly providing
data from disk media to all without first storing data in memory
therebetween
DATE-ISSUED: April 30, 1996

US-CL-CURRENT: 711/100; 710/129
INT-CL: [6] G06F 13/00

L1: Entry 50 of 50 File: USPT Feb 15, 1994

US-PAT-NO: 5287537
DOCUMENT-IDENTIFIER: US 5287537 A

TITLE: Distributed processing system having plural computers each
using identical retaining information to identify another computer
for executing a received command
DATE-ISSUED: February 15, 1994

US-CL-CURRENT: 712/29
INT-CL: [5] G06F 15/76

WEST

Your wildcard search against 2000 terms has yielded the results below

Search for additional matches among the next 2000 terms

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Search Results - Record(s) 1 through 20 of 20 returned.

☐ 1. Document ID: US 6144944 A

L6: Entry 1 of 20

File: USPT

Nov 7, 2000

US-PAT-NO: 6144944

DOCUMENT-IDENTIFIER: US 6144944 A

TITLE: Computer system for efficiently selecting and providing information

DATE-ISSUED: November 7, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kurtzman, II; Stephen J.	San Jose	CA	N/A	N/A
Nawathe; Sandeep A.	Sunnyvale	CA	N/A	N/A

US-CL-CURRENT: 705/14; 705/1, 705/10, 705/26

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMIC	Draw Desc	Image
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☐ 2. Document ID: US 6112207 A

L6: Entry 2 of 20

File: USPT

Aug 29, 2000

US-PAT-NO: 6112207

DOCUMENT-IDENTIFIER: US 6112207 A

TITLE: Apparatus and method which features linearizing attributes of an information object into a string of bytes for object representation and storage in a database system

DATE-ISSUED: August 29, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP	CODE	COUNTRY
Nori; Anil	San Jose	CA	N/A		N/A
Weisz; John	Belmont	CA	N/A		N/A
Arora; Vikas	Mountain View	CA	N/A		N/A
Muralidhar; Subramanian	Foster City	CA	N/A		N/A

US-CL-CURRENT: 707/101

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KVMC	Draw Desc	Image
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☐ 3. Document ID: US 6112210 A

L6: Entry 3 of 20

File: USPT

Aug 29, 2000

US-PAT-NO: 6112210

DOCUMENT-IDENTIFIER: US 6112210 A

TITLE: Apparatus and method for null representation in database object storage

DATE-ISSUED: August 29, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP	CODE	COUNTRY
Nori; Anil	Fremont	CA	N/A		N/A
Weisz; John	Belmont	CA	N/A		N/A
Muralidhar; Subramanian	Sunnyvale	CA	N/A		N/A

US-CL-CURRENT: 707/103R

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KVMC	Draw Desc	Image
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☐ 4. Document ID: US 6085223 A

L6: Entry 4 of 20

File: USPT

Jul 4, 2000

US-PAT-NO: 6085223

DOCUMENT-IDENTIFIER: US 6085223 A

TITLE: Method and apparatus for providing database information to non-requesting clients

DATE-ISSUED: July 4, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Carino, Jr.; Felipe	Pasadena	CA	N/A	N/A
Rollins; Anthony L.	San Diego	CA	N/A	N/A

US-CL-CURRENT: 709/203; 707/10, 709/217

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☒ 5. Document ID: US 6067542 A

L6: Entry 5 of 20

File: USPT

May 23, 2000

US-PAT-NO: 6067542

DOCUMENT-IDENTIFIER: US 6067542 A

TITLE: Pragma facility and SQL3 extension for optimal parallel UDF execution

DATE-ISSUED: May 23, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Carino, Jr.; Felipe	Arcadia	CA	N/A	N/A

US-CL-CURRENT: 707/4; 707/102, 707/103, 707/104

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 6. Document ID: US 6065013 A

L6: Entry 6 of 20

File: USPT

May 16, 2000

US-PAT-NO: 6065013

DOCUMENT-IDENTIFIER: US 6065013 A

TITLE: Optimal storage mechanism for persistent objects in DBMS

DATE-ISSUED: May 16, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Fuh; Gene Y. C.	San Jose	CA	N/A	N/A
Lindsay; Bruce Gilbert	San Jose	CA	N/A	N/A
Mattos; Nelson Mendonca	San Jose	CA	N/A	N/A
Tran; Brian Thinh-Vinh	San Jose	CA	N/A	N/A
Wang; Yun	Saratoga	CA	N/A	N/A

US-CL-CURRENT: 707/103; 707/100, 710/57

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMIC	Draw Desc	Image
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☐ 7. Document ID: US 6055537 A

L6: Entry 7 of 20

File: USPT

Apr 25, 2000

US-PAT-NO: 6055537

DOCUMENT-IDENTIFIER: US 6055537 A

TITLE: Computer structure for storing and manipulating information

DATE-ISSUED: April 25, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
LeTourneau; Jack J.	San Francisco	CA	N/A	N/A

US-CL-CURRENT: 707/101; 707/100, 707/102

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMIC	Draw Desc	Image
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☐ 8. Document ID: US 5930786 A

L6: Entry 8 of 20

File: USPT

Jul 27, 1999

US-PAT-NO: 5930786

DOCUMENT-IDENTIFIER: US 5930786 A

TITLE: Method and apparatus for providing shared data to a requesting client

DATE-ISSUED: July 27, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Carino, Jr.; Felipe	Pasadena	CA	N/A	N/A
Rollins; Anthony L.	San Diego	CA	N/A	N/A

US-CL-CURRENT: 707/4; 370/395, 705/75, 707/10, 707/100,
707/101, 707/102, 709/217, 709/227, 713/167

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 9. Document ID: US 5913205 A

L6: Entry 9 of 20

File: USPT

Jun 15, 1999

US-PAT-NO: 5913205

DOCUMENT-IDENTIFIER: US 5913205 A

TITLE: Query optimization for visual information retrieval system

DATE-ISSUED: June 15, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Jain; Ramesh	San Diego	CA	N/A	N/A
Horowitz; Bradley	San Mateo	CA	N/A	N/A
Fuller; Charles E.	San Mateo	CA	N/A	N/A
Gupta; Amarnath	Redwood City	CA	N/A	N/A
Bach; Jeffrey R.	San Mateo	CA	N/A	N/A
Shu; Chiao-fe	San Mateo	CA	N/A	N/A

US-CL-CURRENT: 707/2; 382/305, 707/104

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 10. Document ID: US 5873083 A

L6: Entry 10 of 20

File: USPT

Feb 16, 1999

US-PAT-NO: 5873083

DOCUMENT-IDENTIFIER: US 5873083 A

TITLE: Method and apparatus for extending a relational database management system using a federated coordinator

DATE-ISSUED: February 16, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP	CODE	COUNTRY
Jones; William Phillip	Weldon	CA	N/A		N/A
Kaufmann; Arthur F.	Los Angeles	CA	N/A		N/A
Luck; Colin	El Segundo	CA	N/A		N/A
Saukkonen; Jukka I.	San Diego	CA	N/A		N/A

US-CL-CURRENT: 707/4; 707/10, 707/3

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWC	Draw Desc	Image
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☐ 11. Document ID: US 5864843 A

L6: Entry 11 of 20

File: USPT

Jan 26, 1999

US-PAT-NO: 5864843

DOCUMENT-IDENTIFIER: US 5864843 A

TITLE: Method and apparatus for extending a database management system to operate with diverse object servers

DATE-ISSUED: January 26, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP	CODE	COUNTRY
Carino, Jr.; Felipe	Pasadena	CA	N/A		N/A
Sterling; Warren M.	Rancho Palos Verdes	CA	N/A		N/A
Rollins; Anthony L.	San Diego	CA	N/A		N/A

US-CL-CURRENT: 707/4; 370/395, 705/35, 707/100, 707/101,
707/102, 707/103, 707/501, 707/530, 709/226, 709/228, 710/266,
713/155

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWC	Draw Desc	Image
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☐ 12. Document ID: US 5862391 A

L6: Entry 12 of 20

File: USPT

Jan 19, 1999

US-PAT-NO: 5862391

DOCUMENT-IDENTIFIER: US 5862391 A

TITLE: Power management control system

DATE-ISSUED: January 19, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP	CODE	COUNTRY
Salas; Patrick G.	Farmington	CT	N/A		N/A
Brown; Donald R.	Plainville	CT	N/A		N/A
Bscheider; Jose	Seymour	CT	N/A		N/A
Murphy; Thomas A.	Southington	CT	N/A		N/A
Broadnax, Jr.; Grady W.	Bristol	CT	N/A		N/A
Yee; Edgar	Chapel Hill	NC	N/A		N/A
Doddy; Mary A.	Farmington	CT	N/A		N/A
Kertesz; Veronica	Bristol	CT	N/A		N/A
Purkayastha; Indrajit	Weatogue	CT	N/A		N/A
Uecker; Sara	Burlington	IA	N/A		N/A
Burke; James	Southington	CT	N/A		N/A
Foster; Dana	Harwinton	CT	N/A		N/A
Vandevanter; John S.	East Granby	CT	N/A		N/A
Meyer-Haack; Wolfgang	Plainville	CT	N/A		N/A

US-CL-CURRENT: 713/300

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 13. Document ID: US 5832069 A

L6: Entry 13 of 20

File: USPT

Nov 3, 1998

US-PAT-NO: 5832069

DOCUMENT-IDENTIFIER: US 5832069 A

TITLE: Object oriented system for modeling telecommunications circuits to estimate the access cost for leasing selected circuits

DATE-ISSUED: November 3, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP	CODE	COUNTRY
Waters; David Brock	Shawnee	KS	N/A		N/A
Hammond; Keenan Wayne	Overland Park	KS	N/A		N/A
Lam; Chun Choon	Kansas City	MO	N/A		N/A
Lingenfelter; Jennifer Jo	Overland Park	KS	N/A		N/A
Revell; Terry Lee	Stilwell	KS	N/A		N/A
Slack, III; Henry Hobart	Overland Park	KS	N/A		N/A

US-CL-CURRENT: 379/115; 370/238, 379/119, 379/207

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 14. Document ID: US 5794250 A

L6: Entry 14 of 20

File: USPT

Aug 11, 1998

US-PAT-NO: 5794250

DOCUMENT-IDENTIFIER: US 5794250 A

TITLE: Method and apparatus for extending existing database management system for new data types

DATE-ISSUED: August 11, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP	CODE	COUNTRY
Carino, Jr.; Felipe	Pasadena	CA	N/A		N/A
Sterling; Warren M.	Rancho Palos Verdes	CA	N/A		N/A

US-CL-CURRENT: 707/104; 707/100, 707/4

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 15. Document ID: US 5787432 A

L6: Entry 15 of 20

File: USPT

Jul 28, 1998

US-PAT-NO: 5787432

DOCUMENT-IDENTIFIER: US 5787432 A

TITLE: Method and apparatus for the generation, manipulation
and display of data structures

DATE-ISSUED: July 28, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
LeTourneau; Jack J.	San Francisco	CA	N/A	N/A

US-CL-CURRENT: 707/101; 707/100, 707/102

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 16. Document ID: US 5768148 A

L6: Entry 16 of 20

File: USPT

Jun 16, 1998

US-PAT-NO: 5768148

DOCUMENT-IDENTIFIER: US 5768148 A

TITLE: Man machine interface for power management control
systems

DATE-ISSUED: June 16, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Murphy; Thomas A.	Southington	CT	N/A	N/A
Gourley; Kelley E.	Minneapolis	MN	N/A	N/A
Winkel; Cliff John	Eagan	MN	N/A	N/A
Bolte; Bret William	Ramsey	MN	N/A	N/A

US-CL-CURRENT: 700/286; 345/332, 702/67

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 17. Document ID: US 5764155 A

L6: Entry 17 of 20

File: USPT

Jun 9, 1998

US-PAT-NO: 5764155

DOCUMENT-IDENTIFIER: US 5764155 A

TITLE: Dynamic data exchange server

DATE-ISSUED: June 9, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP	CODE	COUNTRY
Kertesz; Veronica	Bristol	CT	N/A		N/A
Whitehead; Don	Rockfall	CT	N/A		N/A
Burke; James	Southington	CT	N/A		N/A
Tanna; Harshad	Plainville	CT	N/A		N/A
Garg; Subhash	Bristol	CT	N/A		N/A
Rao; A. Rajeshwar	Hyderabad	N/A	N/A		INX
Lakshmi; S. S.	Hyderabad	N/A	N/A		INX
Mishra; S.	Plainville	CT	N/A		N/A
Lakshminarayana; J.	Plainville	CT	N/A		N/A
Tamanna; Pradeep Kumar	Hyderabad	N/A	N/A		INX
Kumar; B. Ravi	Vizag	N/A	N/A		INX
Kailashnath; M.	Sunnyvale	CA	N/A		N/A

US-CL-CURRENT: 340/825.08; 340/825.06, 340/870.02, 340/870.03,
340/870.13, 370/432, 379/100.04, 379/100.07

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWC	Draw Desc	Image
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☒ 18. Document ID: US 5754841 A

L6: Entry 18 of 20

File: USPT

May 19, 1998

US-PAT-NO: 5754841

DOCUMENT-IDENTIFIER: US 5754841 A

TITLE: Method and apparatus for parallel execution of
user-defined functions in an object-relational database
management system

DATE-ISSUED: May 19, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP	CODE	COUNTRY
Carino, Jr.; Felipe	Pasadena	CA	N/A		N/A

US-CL-CURRENT: 707/3; 709/328, 710/62, 717/3

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWC	Draw Desc	Image
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☐ 19. Document ID: US 5689698 A

L6: Entry 19 of 20

File: USPT

Nov 18, 1997

US-PAT-NO: 5689698

DOCUMENT-IDENTIFIER: US 5689698 A

TITLE: Method and apparatus for managing shared data using a data surrogate and obtaining cost parameters from a data dictionary by evaluating a parse tree object

DATE-ISSUED: November 18, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Jones; William Phillip	Weldon	CA	N/A	N/A
Kaufmann; Arthur F.	Los Angeles	CA	N/A	N/A
Luck; Colin	El Segundo	CA	N/A	N/A
Saukkonen; Jukka I.	San Diego	CA	N/A	N/A

US-CL-CURRENT: 707/4; 707/100, 707/102

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 20. Document ID: US 5579384 A

L6: Entry 20 of 20

File: USPT

Nov 26, 1996

US-PAT-NO: 5579384

DOCUMENT-IDENTIFIER: US 5579384 A

TITLE: Telecommunications network service central management system interfacing with protocol specific regional stations providing services to subscribers

DATE-ISSUED: November 26, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Seymour; James M.	Roswell	GA	N/A	N/A

US-CL-CURRENT: 379/243; 379/201, 379/207, 379/244, 709/223, 709/250

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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Term	Documents
ABSTRACT.DWPI,TDBD,EPAB,JPAB,USPT.	255607
ABSTRACTS.DWPI,TDBD,EPAB,JPAB,USPT.	72165
DATA.DWPI,TDBD,EPAB,JPAB,USPT.	2093134
DATUM.DWPI,TDBD,EPAB,JPAB,USPT.	19423
TYPE\$	0
TYPE.DWPI,TDBD,EPAB,JPAB,USPT.	3186881
TYPEA.DWPI,TDBD,EPAB,JPAB,USPT.	31
TYPEABILITY.DWPI,TDBD,EPAB,JPAB,USPT.	3
TYPEABL.DWPI,TDBD,EPAB,JPAB,USPT.	1
TYPEABLE.DWPI,TDBD,EPAB,JPAB,USPT.	65
(L5 AND (ABSTRACT SAME DATA TYPE\$)) .USPT,JPAB,EPAB,DWPI,TDBD.	20

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Term	Documents
RETRIEV\$	0
RETRIEV.DWPI,TDBD,EPAB,JPAB,USPT.	53
RETRIEVA.DWPI,TDBD,EPAB,JPAB,USPT.	9
RETRIEVAA.DWPI,TDBD,EPAB,JPAB,USPT.	1
RETRIEVAAL.DWPI,TDBD,EPAB,JPAB,USPT.	1
RETRIEVABE.DWPI,TDBD,EPAB,JPAB,USPT.	2
RETRIEVABILIT.DWPI,TDBD,EPAB,JPAB,USPT.	1
RETRIEVABILITY.DWPI,TDBD,EPAB,JPAB,USPT.	212
RETRIEVABL.DWPI,TDBD,EPAB,JPAB,USPT.	1
RETRIEVABLE.DWPI,TDBD,EPAB,JPAB,USPT.	6031
(L32 AND RETRIEV\$).USPT,JPAB,EPAB,DWPI,TDBD.	11

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USPT,JPAB,EPAB,DWPI,TDBD	l32 and retriev\$	11	L33
USPT,JPAB,EPAB,DWPI,TDBD	l31 and stor\$	11	L32
USPT,JPAB,EPAB,DWPI,TDBD	l30 and (updat\$ or delet\$)	11	L31
USPT,JPAB,EPAB,DWPI,TDBD	l29 and index\$	11	L30
USPT,JPAB,EPAB,DWPI,TDBD	l28 and (data same type\$1)	20	L29
USPT,JPAB,EPAB,DWPI,TDBD	l27 and (server\$1 and client\$1)	24	L28
USPT,JPAB,EPAB,DWPI,TDBD	l25 and (query\$)	59	L27
USPT,JPAB,EPAB,DWPI,TDBD	l25 and (input\$ same query\$)	5	L26
USPT,JPAB,EPAB,DWPI,TDBD	(distribut\$ same system\$1 and database\$).ti.	472	L25
USPT,JPAB,EPAB,DWPI,TDBD	l23 and (distribut\$ same system\$1)	0	L24
USPT,JPAB,EPAB,DWPI,TDBD	l22 and (input\$ same query\$)	1	L23
USPT,JPAB,EPAB,DWPI,TDBD	5615361.pn.	3	L22
USPT,JPAB,EPAB,DWPI,TDBD	(database\$ and query\$ and parallel).ti.	21	L21
USPT,JPAB,EPAB,DWPI,TDBD	(database\$ and query\$ and parallel and type\$1).ti.	0	L20
USPT,JPAB,EPAB,DWPI,TDBD	(database\$ and query\$ and data and type\$1).ti.	4	L19
USPT	5835758.pn.	1	L18
USPT	5852820.pn.	1	L17
USPT	5852820.pn.	1	L16
USPT	5857179.pn.	1	L15
USPT	5864855.pn.	1	L14
USPT	5608904.pn.	1	L13
USPT	5615361.pn.	1	L12
USPT	5761653.pn.	1	L11
USPT	5404510.pn.	1	L10
USPT	5548770.pn.	1	L9
USPT	5778353.pn.	1	L8
USPT	5584026.pn.	1	L7
USPT	5594899.pn.	1	L6
USPT	5664172.pn.	1	L5
USPT,JPAB,EPAB,DWPI,TDBD	l3 and pointer\$1	4	L4
USPT,JPAB,EPAB,DWPI,TDBD	l2 and (updat\$ or delet\$)	13	L3
USPT,JPAB,EPAB,DWPI,TDBD	(query\$ and index\$).ti.	52	L2
USPT,JPAB,EPAB,DWPI,TDBD	(input\$ and query\$ and index\$).ti.	0	L1

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Search Results - Record(s) 1 through 11 of 11 returned.

☐ 1. Document ID: US 6006230 A

L33: Entry 1 of 11

File: USPT

Dec 21, 1999

US-PAT-NO: 6006230

DOCUMENT-IDENTIFIER: US 6006230 A

TITLE: Database application development system with improved methods for distributing and executing objects across multiple tiers

DATE-ISSUED: December 21, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ludwig; Patrick B.	Duxbury	MA	N/A	N/A
Marlow; Scott P.	Andover	MA	N/A	N/A

US-CL-CURRENT: 707/10; 707/102, 707/103, 717/1, 717/10

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 2. Document ID: US 5835757 A

L33: Entry 2 of 11

File: USPT

Nov 10, 1998

US-PAT-NO: 5835757

DOCUMENT-IDENTIFIER: US 5835757 A

TITLE: Distributed database management system for servicing application requests in a telecommunications switching system

DATE-ISSUED: November 10, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Oulid-Aissa; Mourad	Boca Raton	FL	N/A	N/A
Cole; Charles Allen	Coral Springs	FL	N/A	N/A
Tavanyar; Simon Edwin	Altamonte Springs	FL	N/A	N/A

US-CL-CURRENT: 707/10; 709/201, 709/243

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 3. Document ID: US 5826261 A

L33: Entry 3 of 11 File: USPT Oct 20, 1998
US-PAT-NO: 5826261
DOCUMENT-IDENTIFIER: US 5826261 A

TITLE: System and method for querying multiple, distributed databases by selective sharing of local relative significance information for terms related to the query

DATE-ISSUED: October 20, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Spencer; Graham	Cupertino	CA	95014	N/A

US-CL-CURRENT: 707/5; 707/1, 707/10, 707/2, 707/3

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 4. Document ID: US 5764977 A

L33: Entry 4 of 11 File: USPT Jun 9, 1998
US-PAT-NO: 5764977
DOCUMENT-IDENTIFIER: US 5764977 A

TITLE: Distributed database architecture and distributed database management system for open network evolution

DATE-ISSUED: June 9, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Oulid-Aissa; Mourad	Boca Raton	FL	N/A	N/A
Cole; Charles Allen	Coral Springs	FL	N/A	N/A
Tavanyar; Simon Edwin	Altamonte Springs	FL	N/A	N/A

US-CL-CURRENT: 707/10; 379/220, 707/1, 707/101, 707/102, 707/2, 707/4, 707/5

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 5. Document ID: US 5724575 A

L33: Entry 5 of 11 File: USPT Mar 3, 1998

US-PAT-NO: 5724575

DOCUMENT-IDENTIFIER: US 5724575 A

TITLE: Method and system for object-based relational
distributed databases

DATE-ISSUED: March 3, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hoover; Michael K.	Roswell	GA	N/A	N/A
Miller; Barrick H.	Marietta	GA	N/A	N/A
Schurenberg; Kurt	Roswell	GA	N/A	N/A
Daigle; Richard A.	Atlanta	GA	N/A	N/A

US-CL-CURRENT: 707/10; 707/103, 709/205, 709/217

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 6. Document ID: US 5721909 A

L33: Entry 6 of 11

File: USPT

Feb 24, 1998

US-PAT-NO: 5721909

DOCUMENT-IDENTIFIER: US 5721909 A

TITLE: Distributed database architecture and distributed
database management system for open network evolution

DATE-ISSUED: February 24, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Oulid-Aissa; Mourad	Boca Raton	FL	N/A	N/A
Cole; Charles Allen	Coral Springs	FL	N/A	N/A
Tavanyar; Simon Edwin	Altamonte Springs	FL	N/A	N/A

US-CL-CURRENT: 707/10; 707/103, 707/201

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 7. Document ID: US 5694593 A

L33: Entry 7 of 11

File: USPT

Dec 2, 1997

US-PAT-NO: 5694593

DOCUMENT-IDENTIFIER: US 5694593 A

TITLE: Distributed computer database system and method

DATE-ISSUED: December 2, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Baclawski; Kenneth P.	Waltham	MA	N/A	N/A

US-CL-CURRENT: 707/5; 707/2, 707/205, 707/3, 709/102

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 8. Document ID: US 5687363 A

L33: Entry 8 of 11

File: USPT

Nov 11, 1997

US-PAT-NO: 5687363

DOCUMENT-IDENTIFIER: US 5687363 A

TITLE: Distributed database architecture and distributed database management system for open network evolution

DATE-ISSUED: November 11, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Oulid-Aissa; Mourad	Boca Raton	FL	N/A	N/A
Cole; Charles Allen	Coral Springs	FL	N/A	N/A
Tavanyar; Simon Edwin	Altamonte Springs	FL	N/A	N/A

US-CL-CURRENT: 707/4; 379/93.14, 707/10, 707/8

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 9. Document ID: US 5590321 A

L33: Entry 9 of 11

File: USPT

Dec 31, 1996

US-PAT-NO: 5590321

DOCUMENT-IDENTIFIER: US 5590321 A

TITLE: Push down optimization in a distributed, multi-database
system

DATE-ISSUED: December 31, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Lin; Eileen T.	San Jose	CA	N/A	N/A
Wang; Yun	Saratoga	CA	N/A	N/A

US-CL-CURRENT: 707/10

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 10. Document ID: US 5588150 A

L33: Entry 10 of 11

File: USPT

Dec 24, 1996

US-PAT-NO: 5588150

DOCUMENT-IDENTIFIER: US 5588150 A

TITLE: Push down optimization in a distributed, multi-database
system

DATE-ISSUED: December 24, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Lin; Eileen T.	San Jose	CA	N/A	N/A
Wang; Yun	Saratoga	CA	N/A	N/A

US-CL-CURRENT: 707/1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 11. Document ID: US 5560005 A

L33: Entry 11 of 11

File: USPT

Sep 24, 1996

US-PAT-NO: 5560005

DOCUMENT-IDENTIFIER: US 5560005 A

TITLE: Methods and systems for object-based relational
distributed databases

DATE-ISSUED: September 24, 1996

INVENTOR - INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hoover; Michael K.	Roswell	GA	N/A	N/A
Miller; Barrick H.	Marietta	GA	N/A	N/A
Schurenberg; Kurt	Roswell	GA	N/A	N/A
Daigle; Richard A.	Atlanta	GA	N/A	N/A

US-CL-CURRENT: 707/10

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWC	Draw Desc	Image
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Term	Documents
RETRIEV\$	0
RETRIEV.DWPI,TDBD,EPAB,JPAB,USPT.	53
RETRIEV.A.DWPI,TDBD,EPAB,JPAB,USPT.	9
RETRIEV.AA.DWPI,TDBD,EPAB,JPAB,USPT.	1
RETRIEV.AAL.DWPI,TDBD,EPAB,JPAB,USPT.	1
RETRIEV.ABE.DWPI,TDBD,EPAB,JPAB,USPT.	2
RETRIEV.ABILIT.DWPI,TDBD,EPAB,JPAB,USPT.	1
RETRIEV.ABILITY.DWPI,TDBD,EPAB,JPAB,USPT.	212
RETRIEV.ABL.DWPI,TDBD,EPAB,JPAB,USPT.	1
RETRIEV.ABLE.DWPI,TDBD,EPAB,JPAB,USPT.	6031
(L32 AND RETRIEV\$).USPT,JPAB,EPAB,DWPI,TDBD.	11

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